

APPLICATOR FOR RADIATION TREATMENT OF A CAVITYAbstract of the Disclosure

5           An applicator for facilitating radiation treatment in a body  
cavity, particularly post resection, provides for superior wound  
closure management, with an integrated drain and a flexible main  
shaft that permits further treatments at intervals without  
disturbing the wound closure. The drain includes channels in the  
10 shaft, and the surface of an expandable balloon of the applicator  
may have features that help channel the flow of drain liquids  
toward the cavity entrance. Non-spherical, irregular geometries  
of balloons are achieved in several different ways. In some  
embodiments multiple balloons are included, either an inner and  
15 outer balloon or a series of balloons extending outwardly from  
the main shaft. Non-balloon applicators are also disclosed.